

FIG. 1

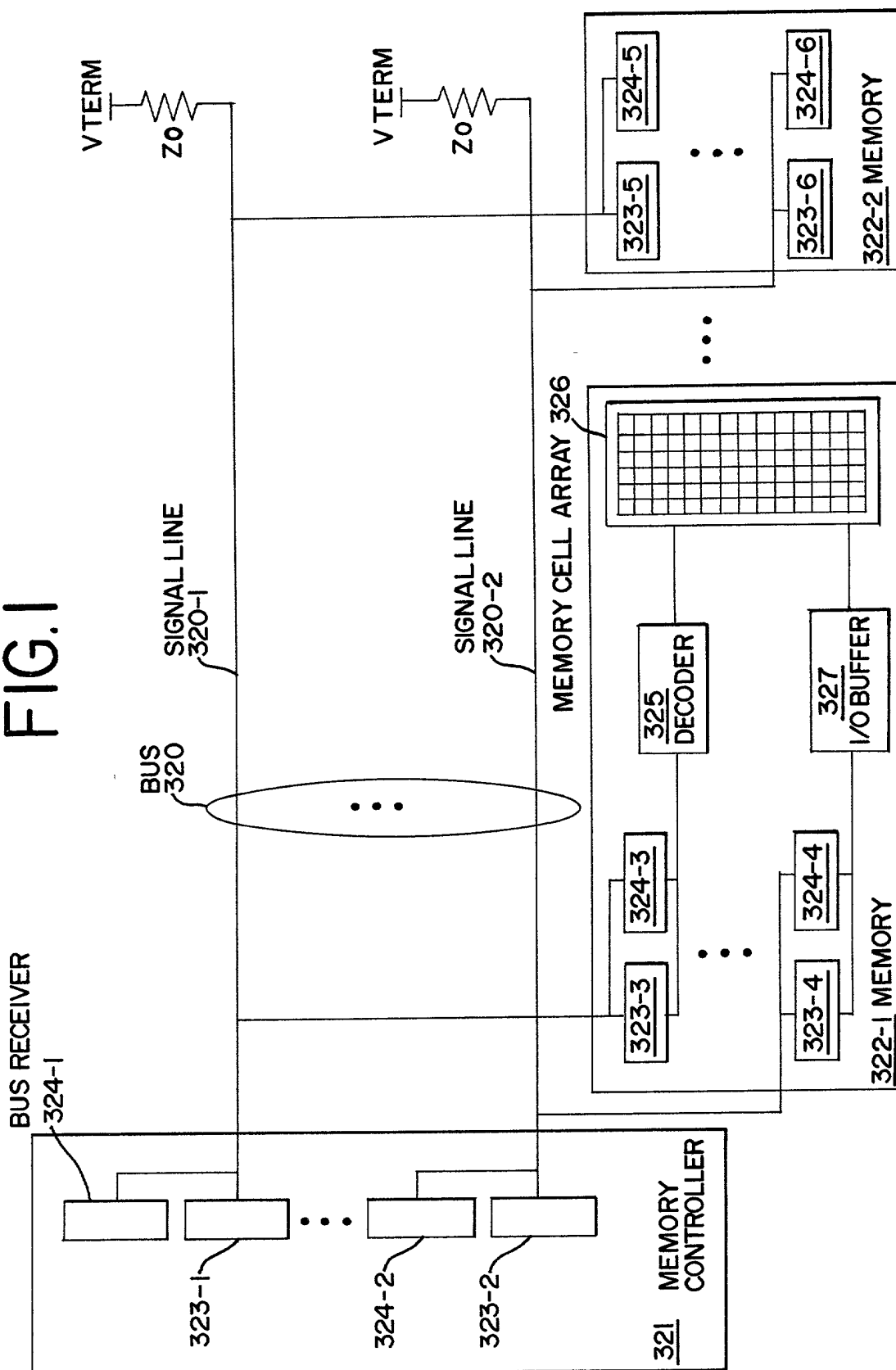


FIG.2

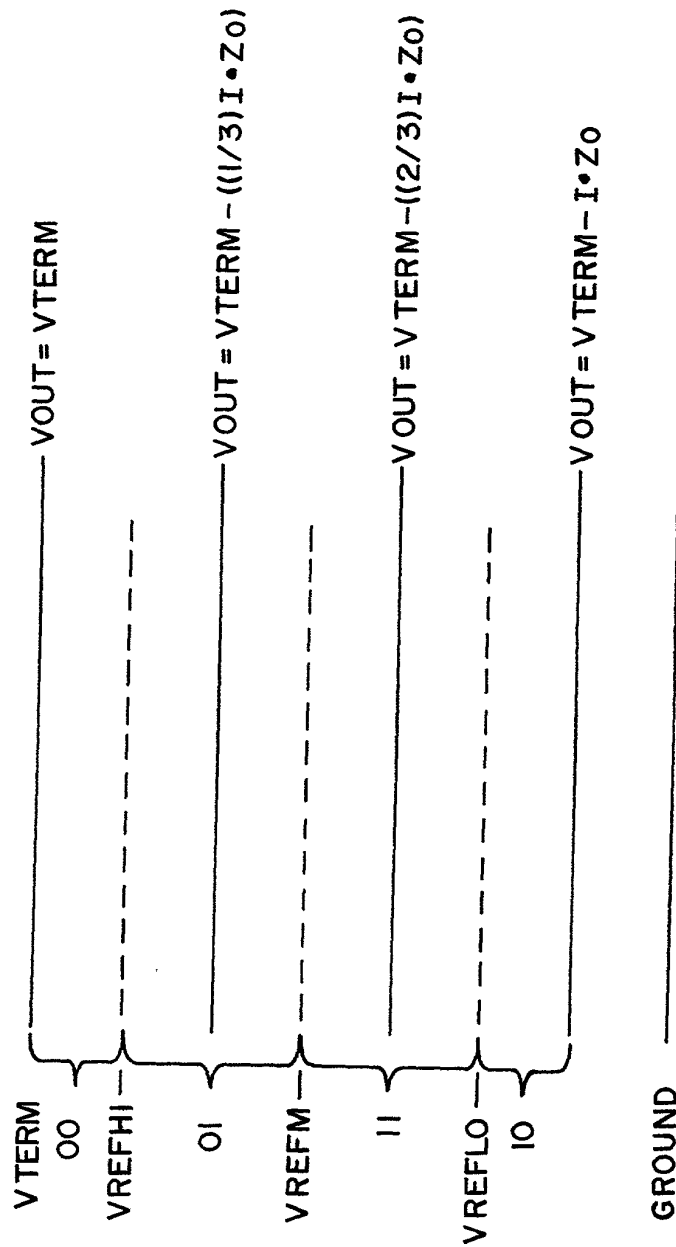


FIG.3A

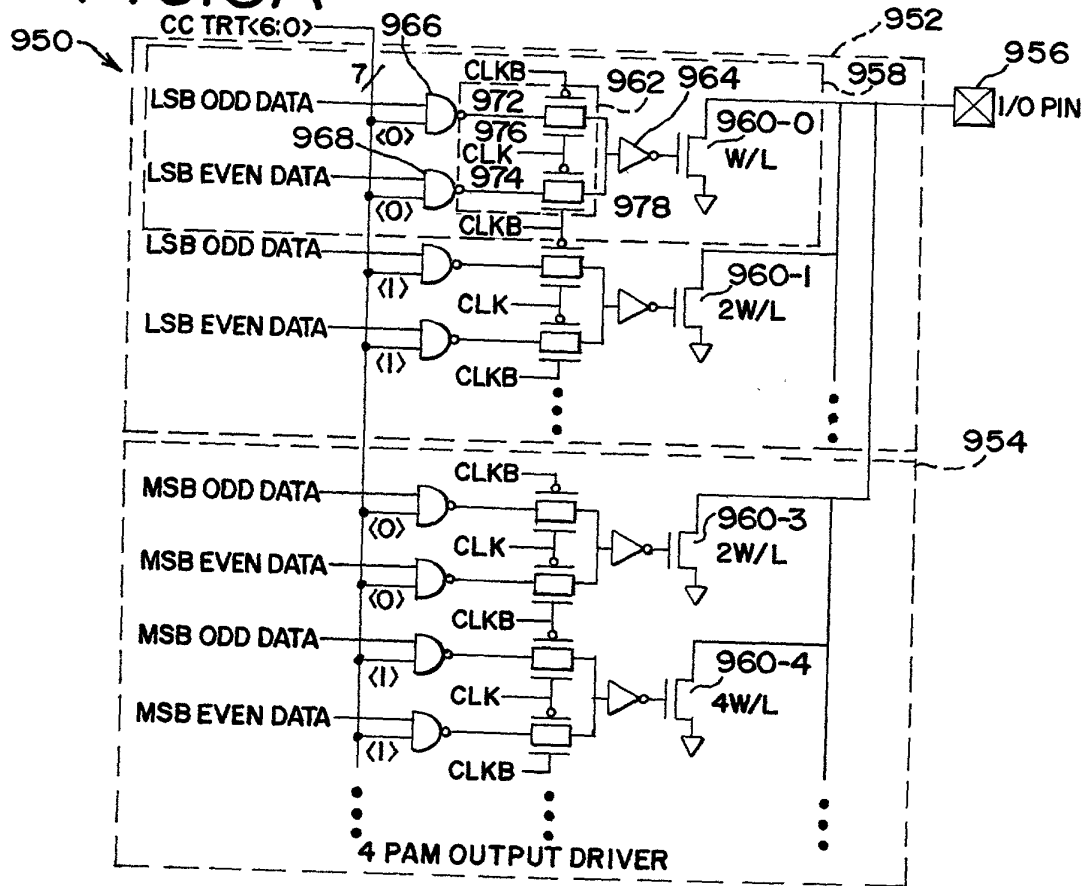


FIG.3B

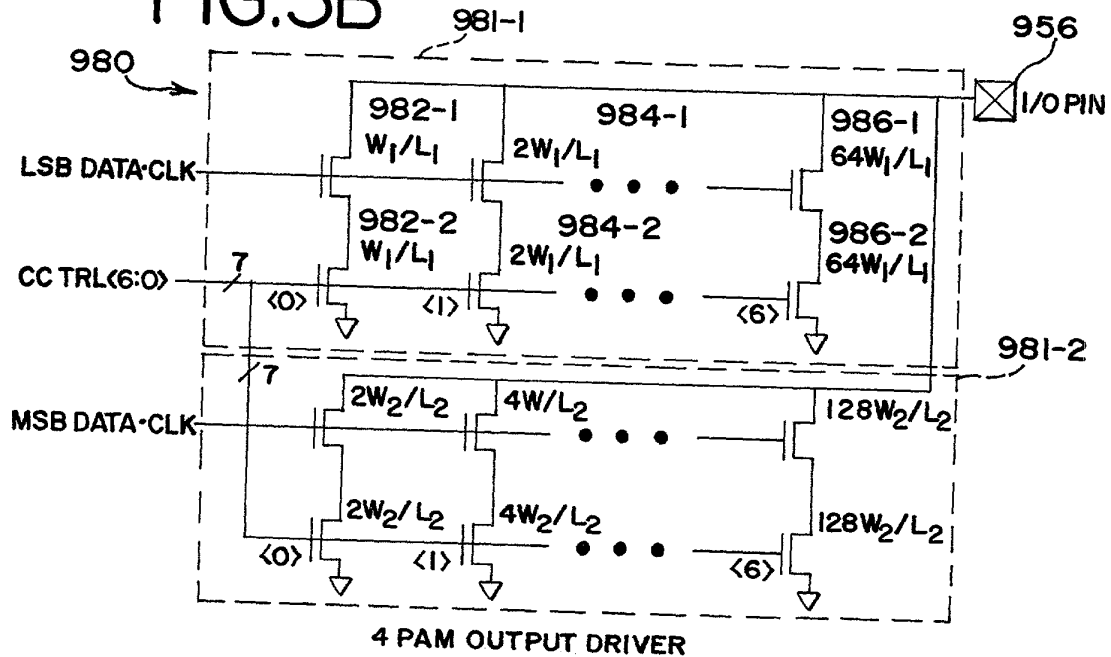


FIG. 4A

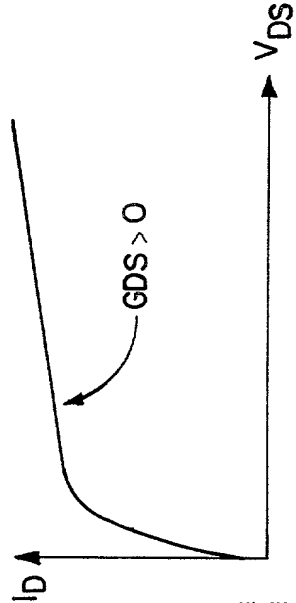


FIG. 4B

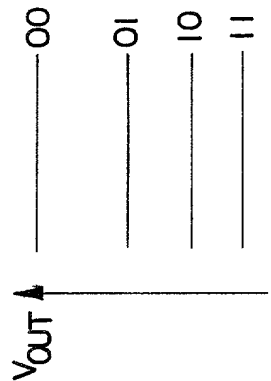


FIG. 4C

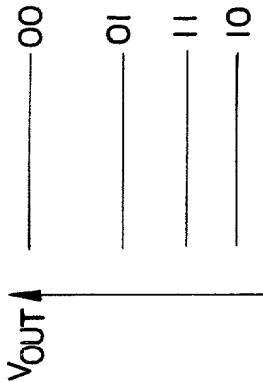


FIG.5A

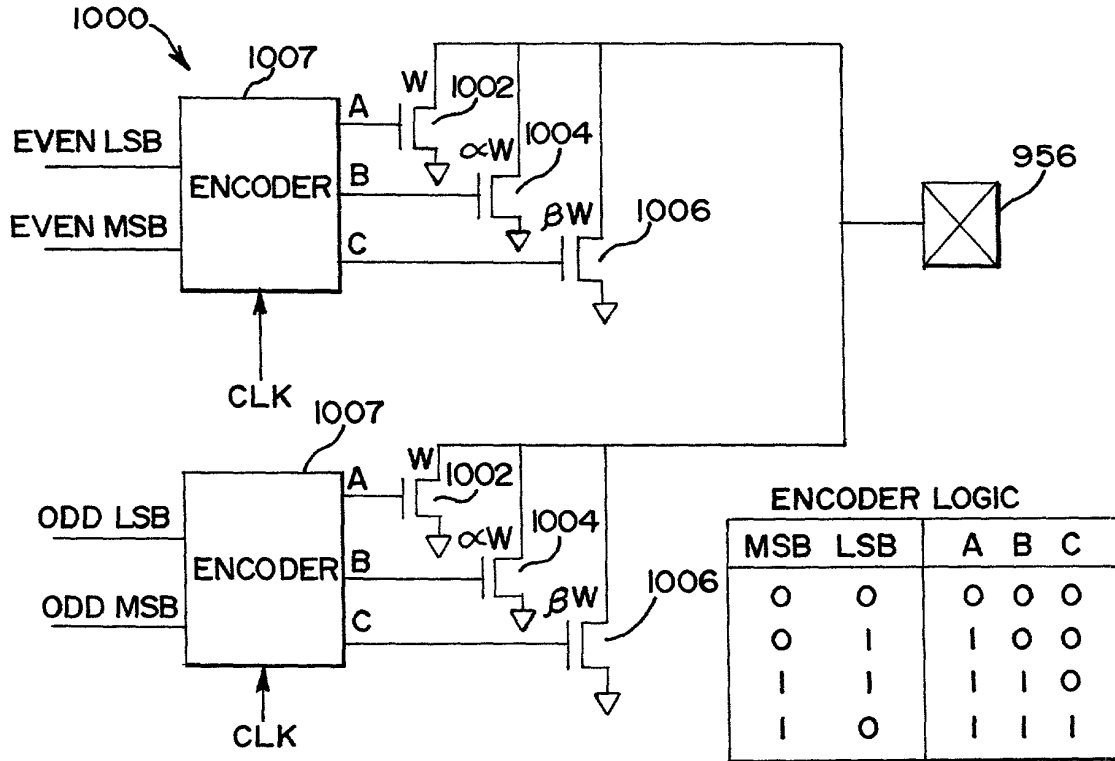


FIG.5B

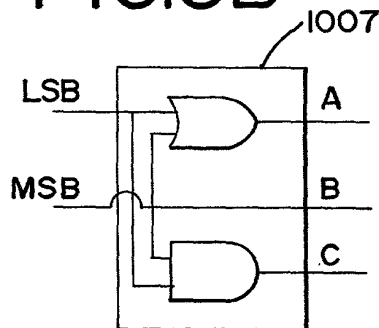


FIG.5C

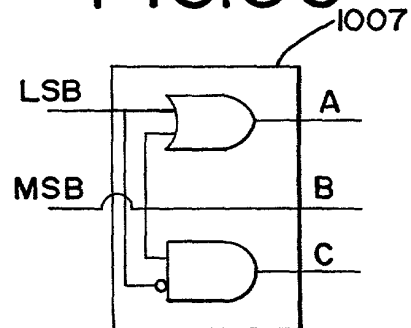
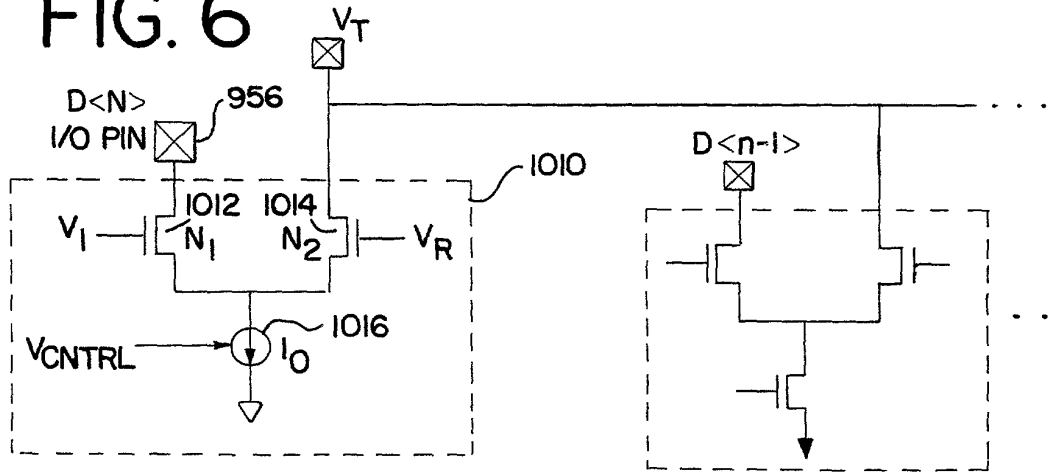


FIG. 6



CIRCUIT TO REDUCE SWITCHING NOISE

FIG. 7

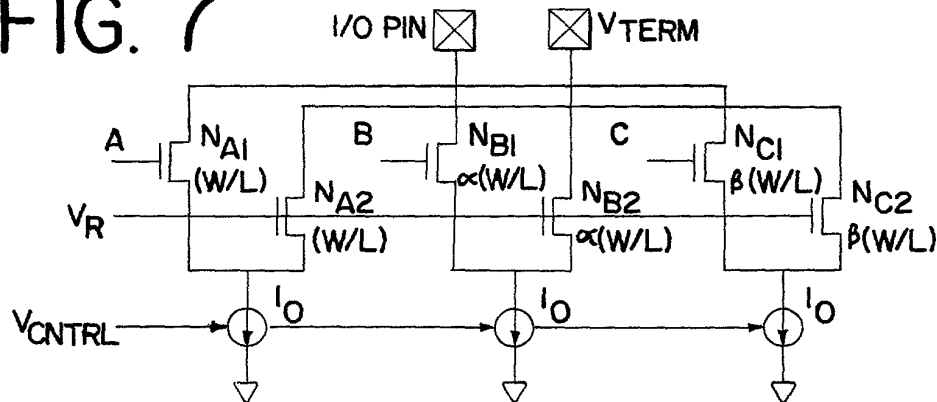
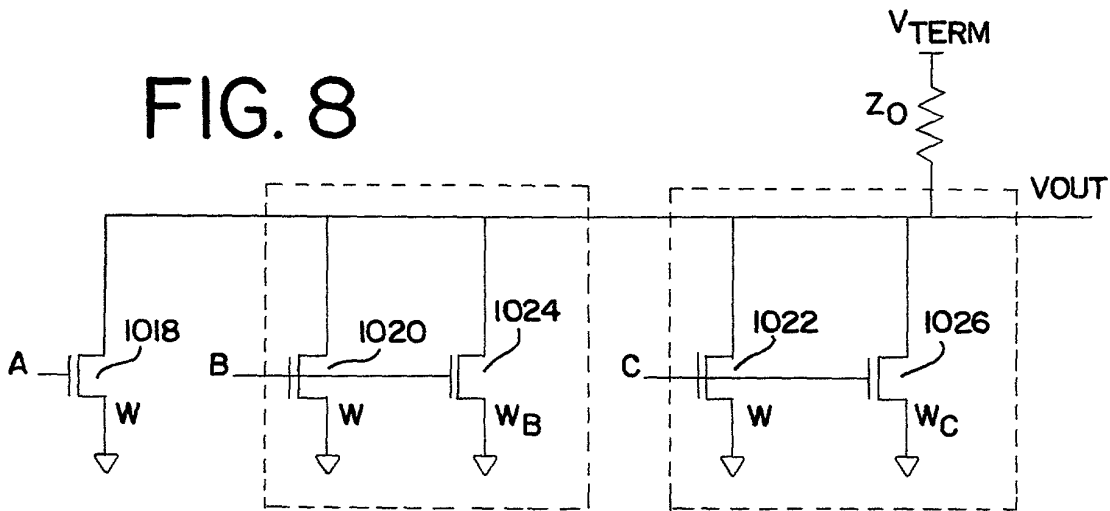
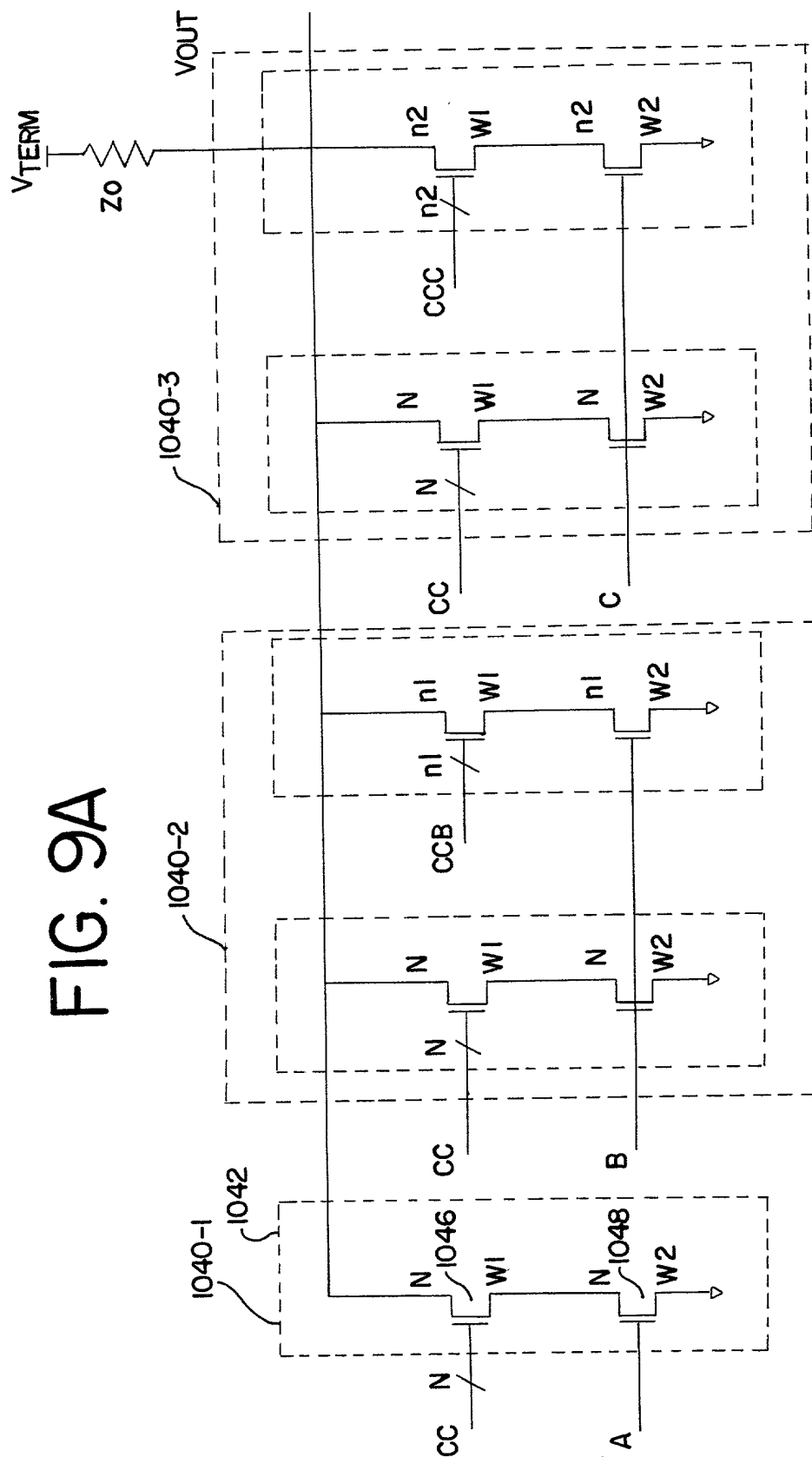


FIG. 8



GDS COMPENSATED MULTI-PAM OUTPUT DRIVER



GDS COMPENSATED MULTI-PAM OUTPUT DRIVER WITH CURRENT CONTROL

FIG. 9B

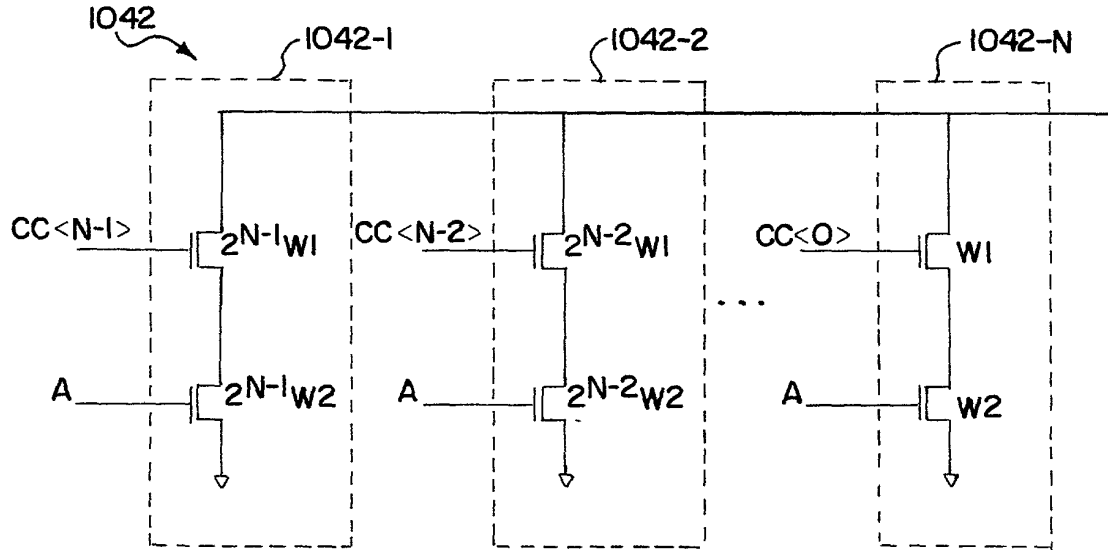


FIG. 9C

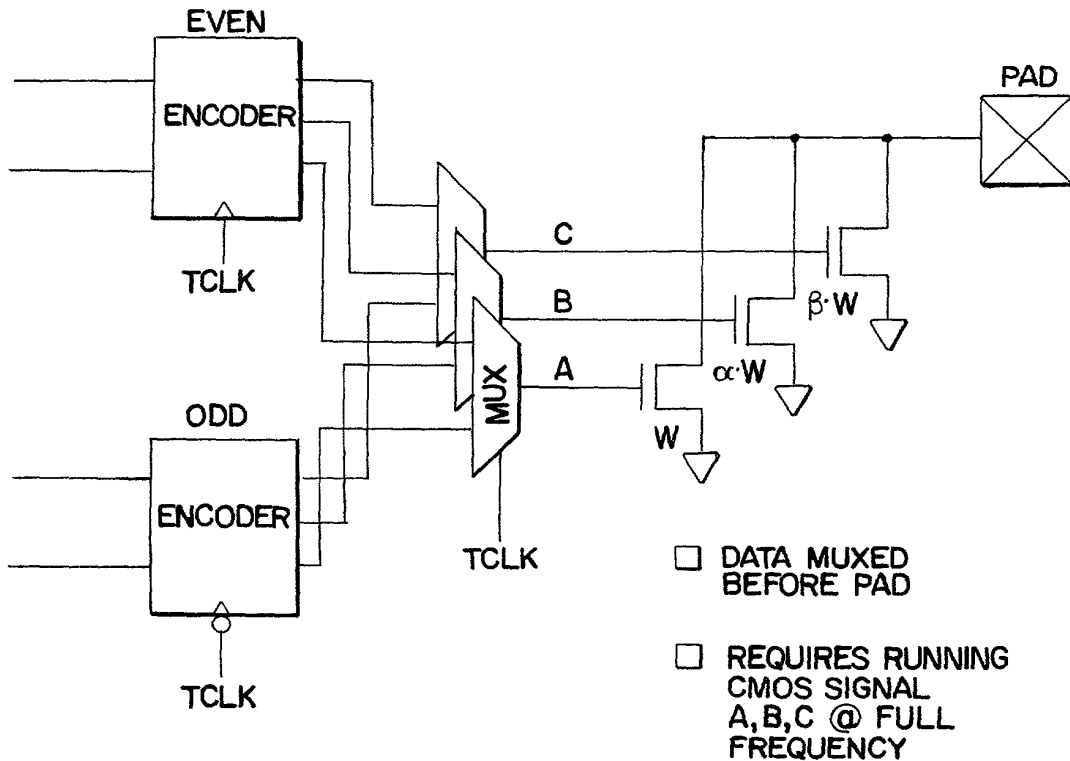
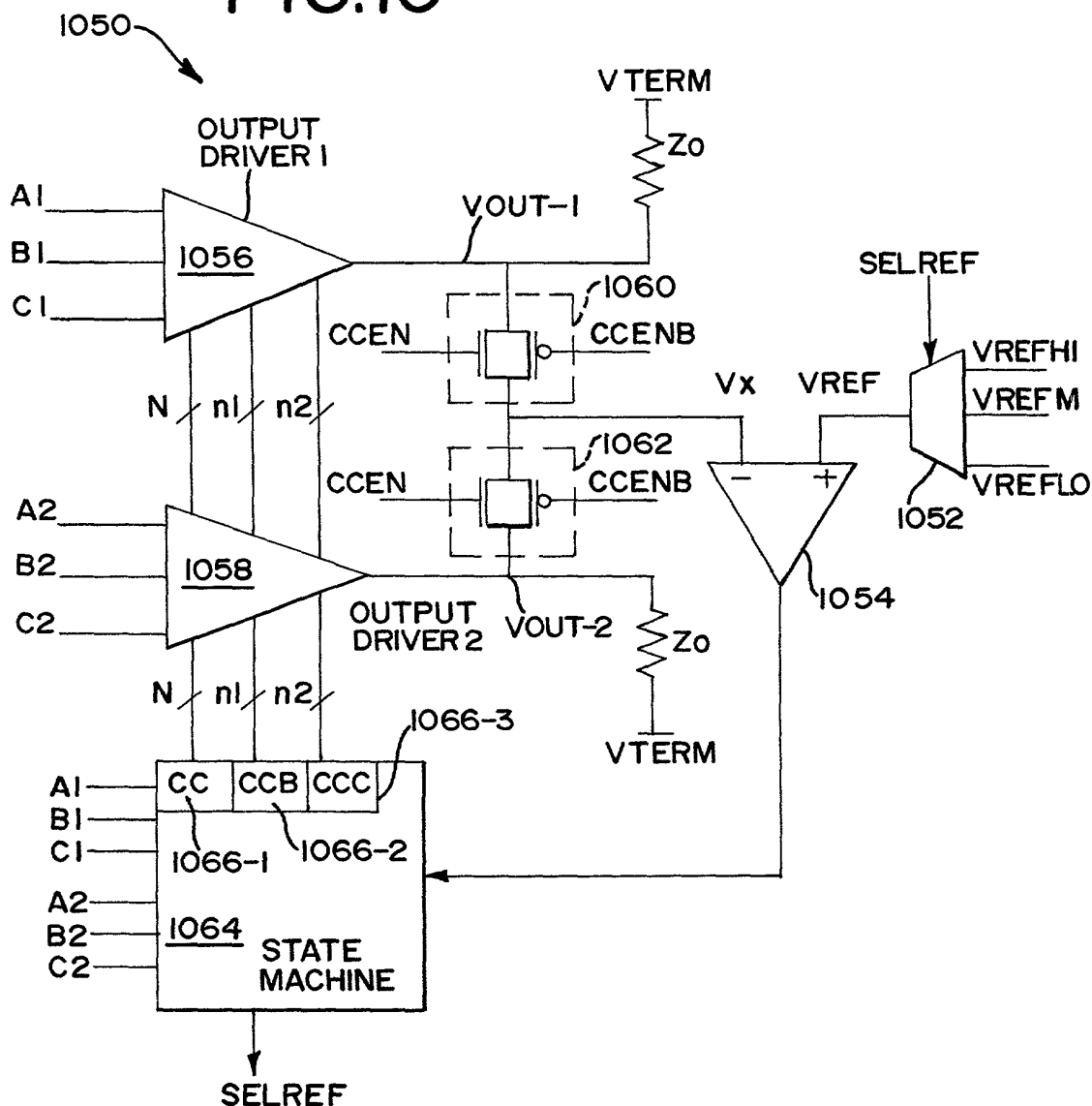
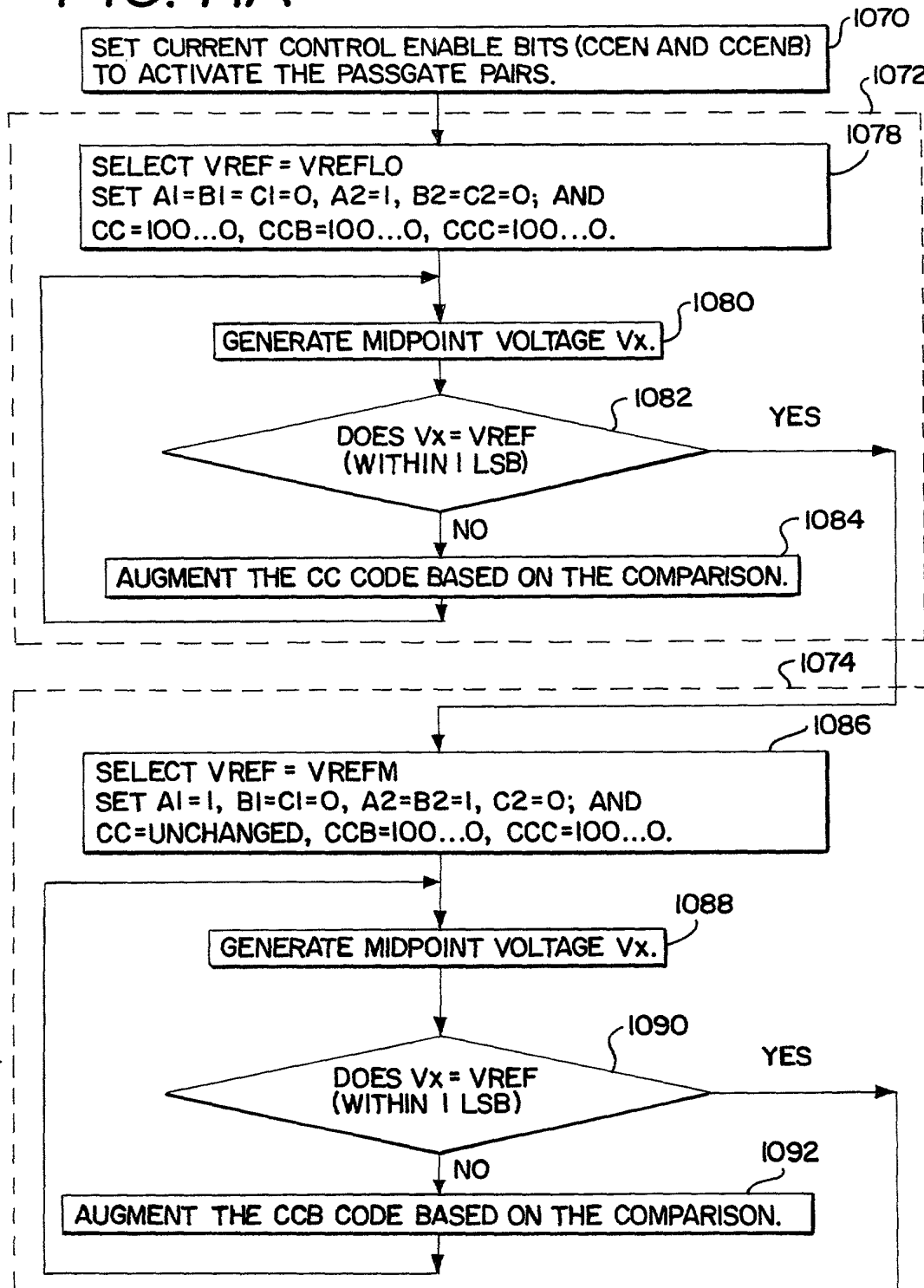


FIG.10



CIRCUIT FOR CALIBRATING THE GDS COMPENSATED
OUTPUT DRIVER WITH CURRENT CONTROL

FIG. 11A



METHOD FOR CALIBRATING THE GDS COMPENSATED OUTPUT DRIVER WITH CURRENT CONTROL

A

09/742,250

FIG. 11B

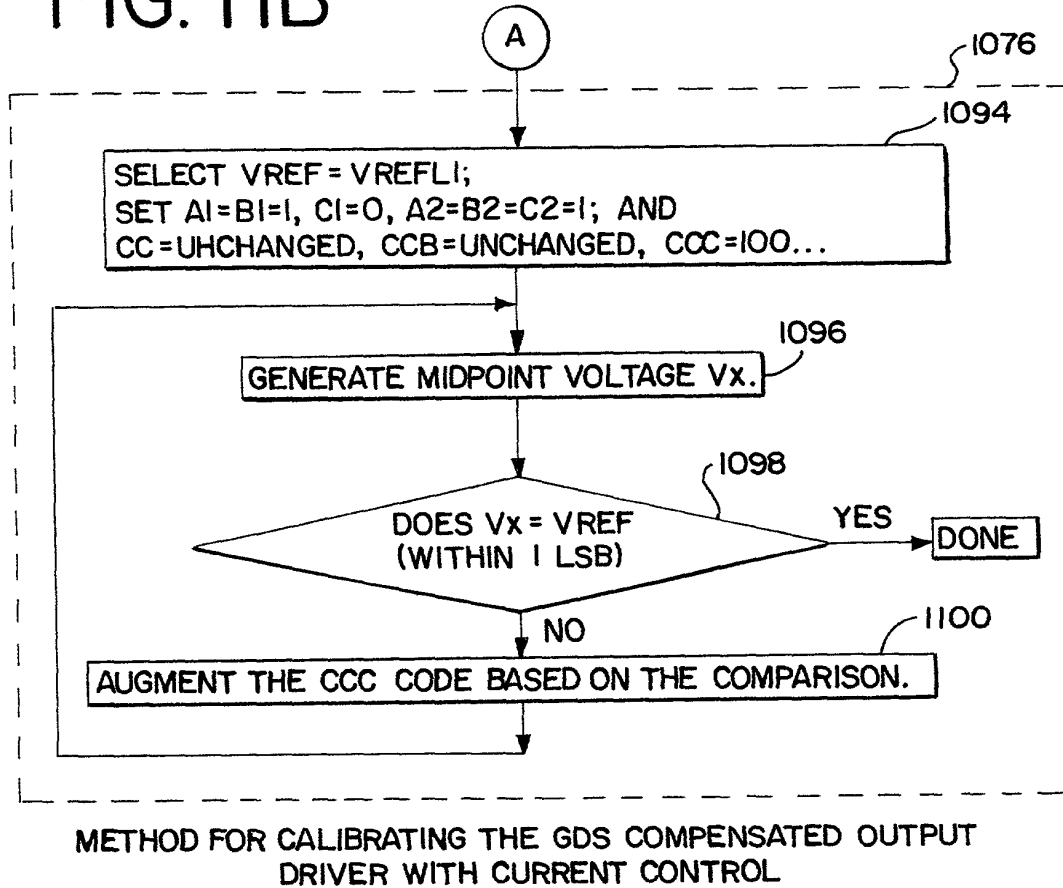
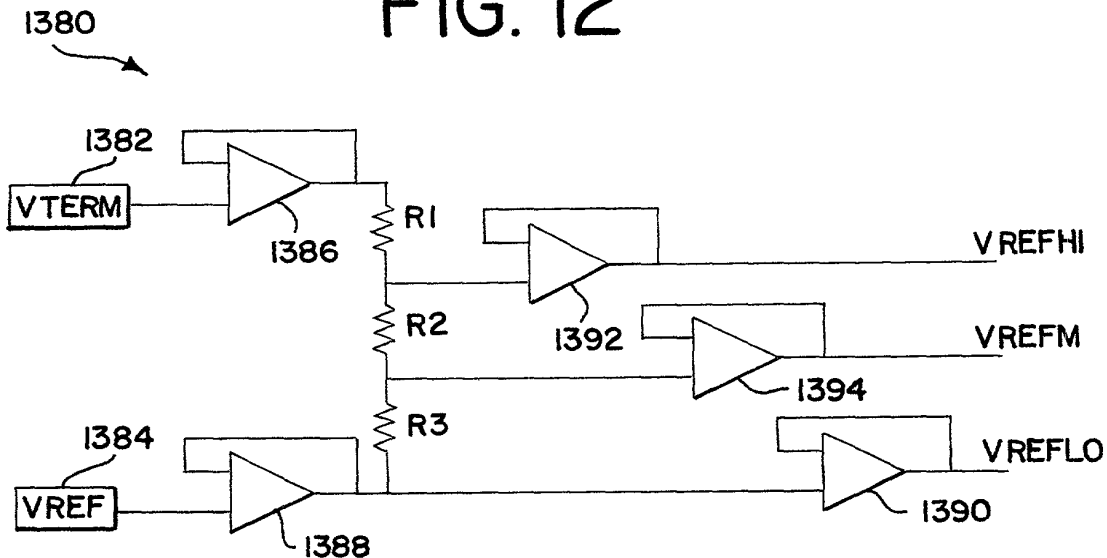


FIG. 12



CCSEL<2:0>|>

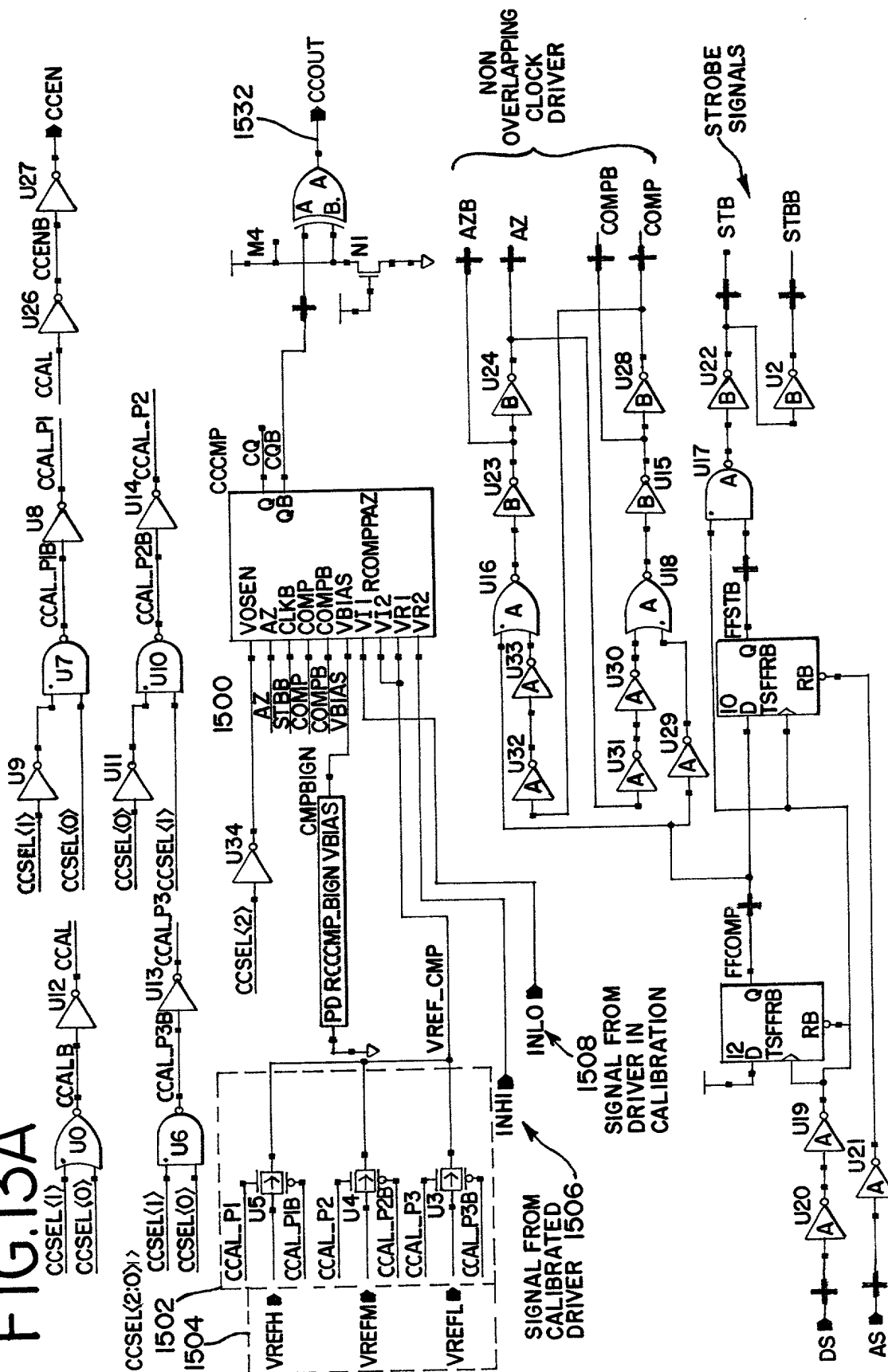


FIG. 13B

The diagram illustrates a complex circuit, likely a latch or memory element, featuring several transistors (MP1-MP15, MN1-MN11) and capacitors (C1, C2). The circuit is divided into two main sections: a feedback loop (labeled 1500) and a latch stage (labeled 1524). The feedback loop includes transistors MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8, MP9, MP10, MP11, MP12, MP13, MP14, MP15, MN1, MN2, MN3, MN4, MN5, MN6, MN7, MN8, MN9, MN10, MN11, and capacitors C1 and C2. The latch stage includes transistors MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8, MP9, MP10, MP11, MP12, MP13, MP14, MP15, MN1, MN2, MN3, MN4, MN5, MN6, MN7, MN8, MN9, MN10, MN11, and capacitors C1 and C2. The circuit is controlled by signals VR1, VR2, VI1, VI2, VBIAS, and CLKB. The output is labeled QB.

FIG.13C

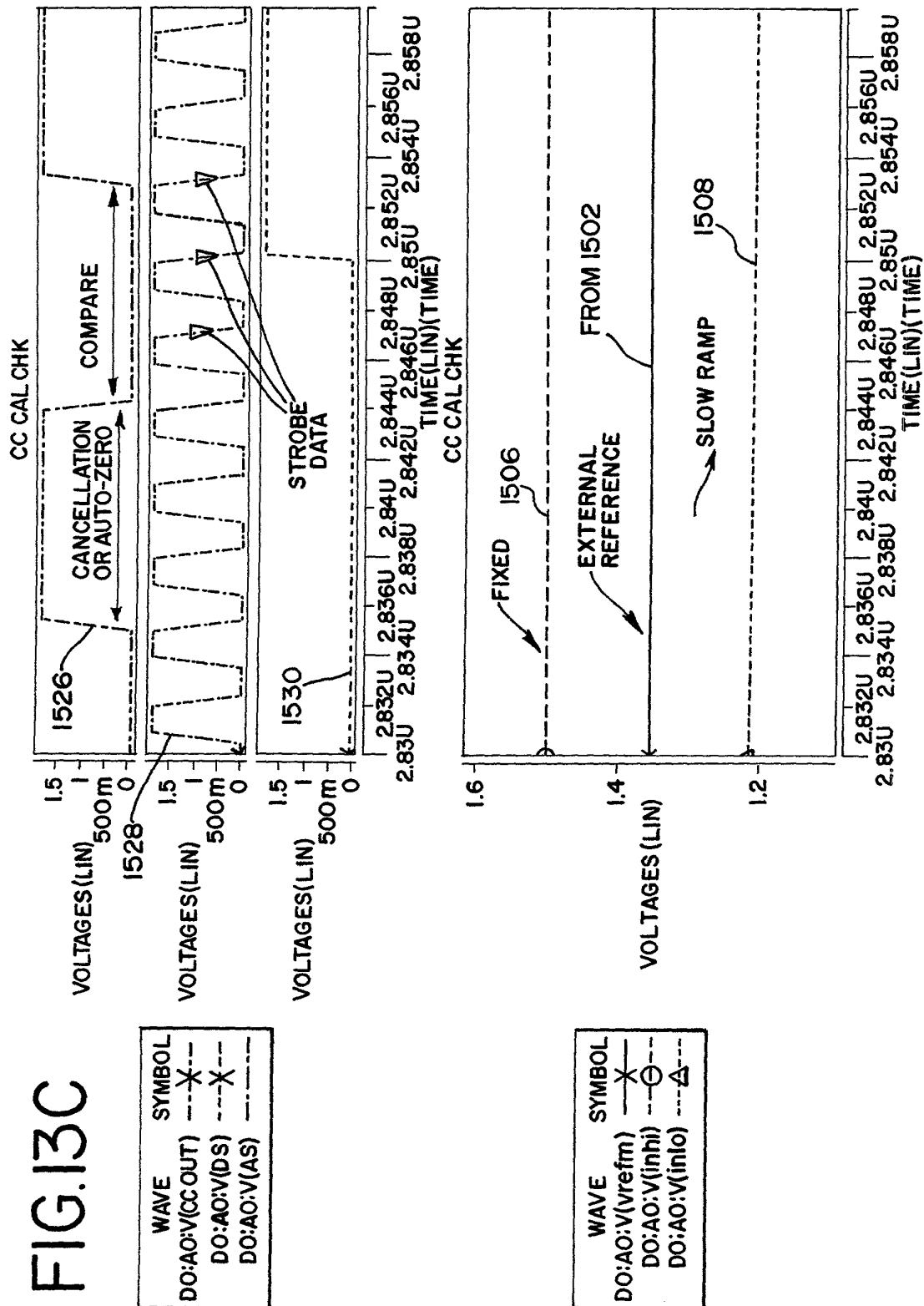
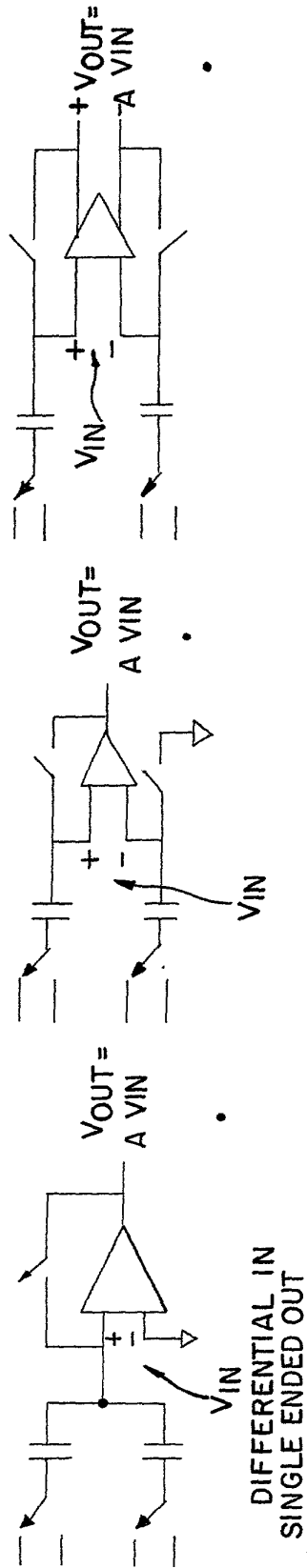


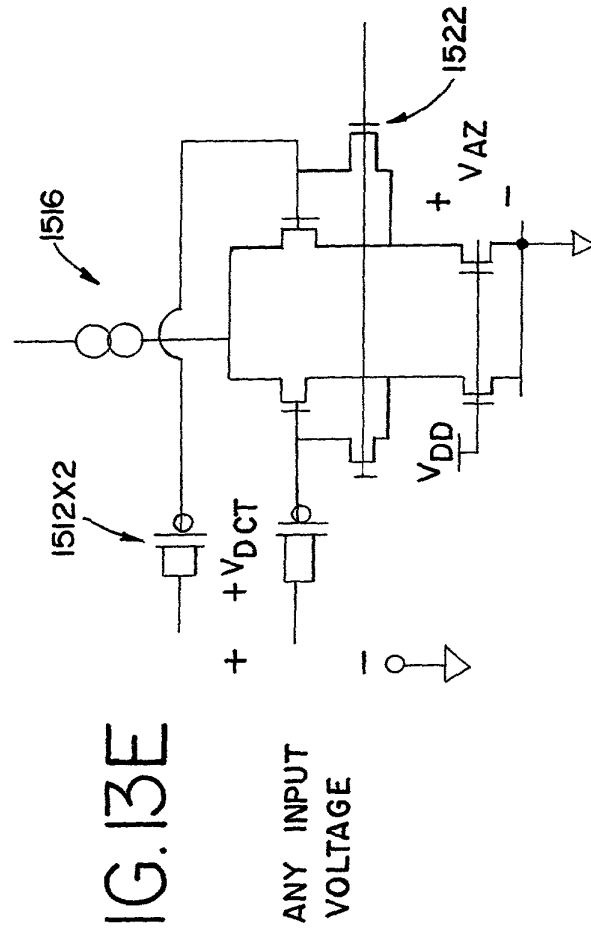
FIG. 13D

FIG. 13D



DIFFERENTIAL IN
SINGLE ENDED OUT

FIG. 13E

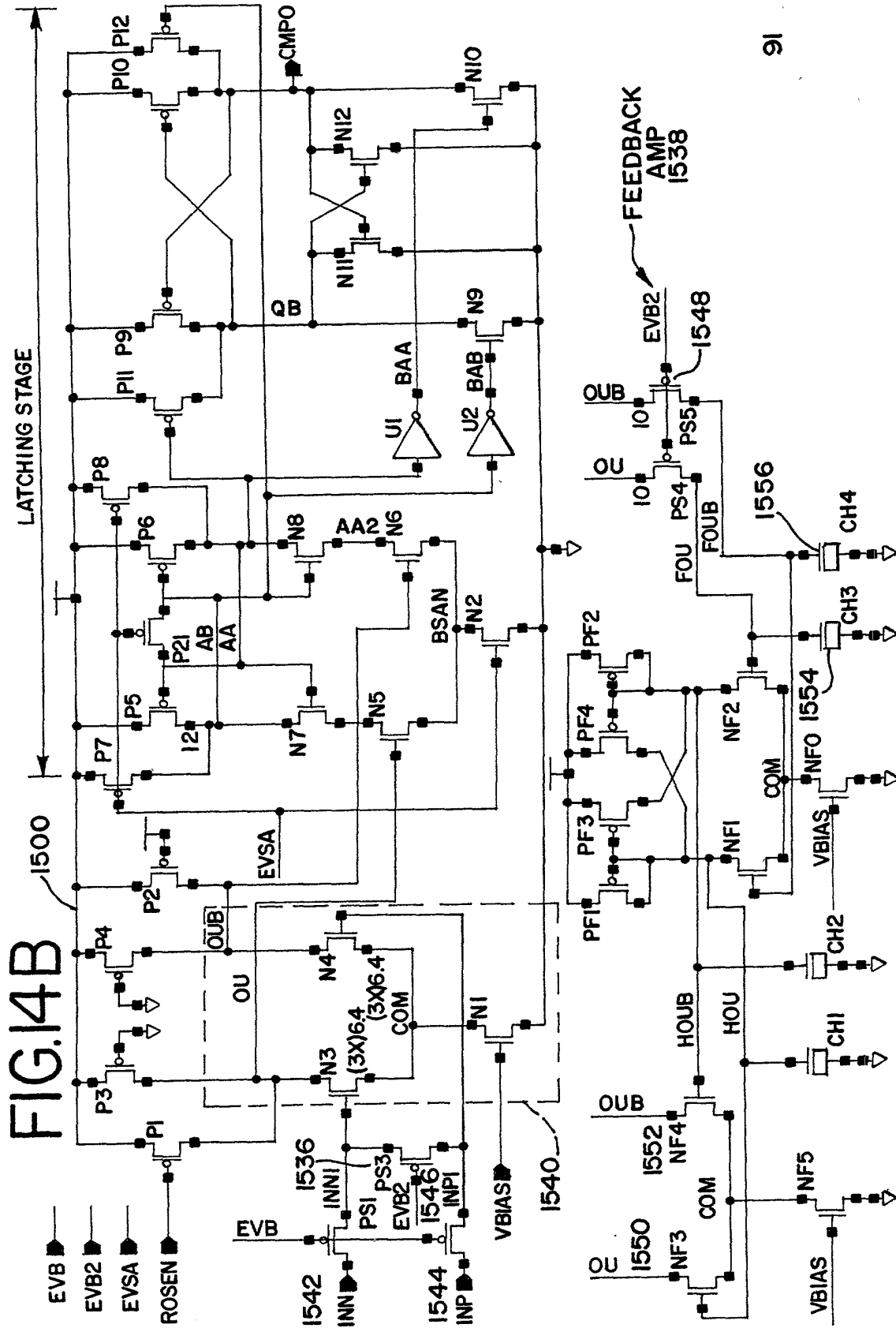


ANY INPUT
VOLTAGE

NON CCCAL MODE



NOTE: PLACE RI-8 AS FOLLOWING:
R6 R4 R3 R8
R5 R1 R2 R7
WHERE R5-8 ARE DUMMIES



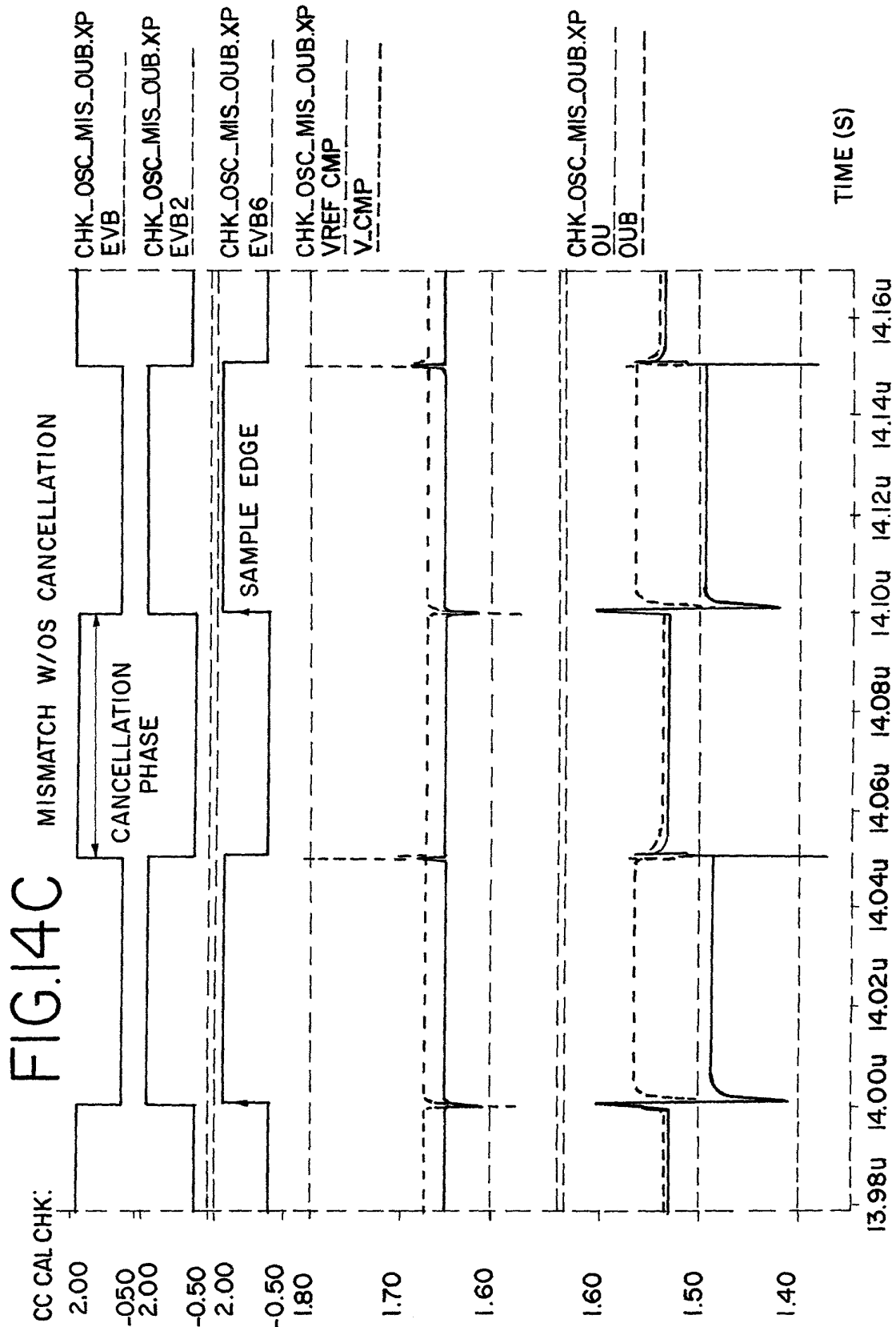


FIG.14D

W/OS CANCEL

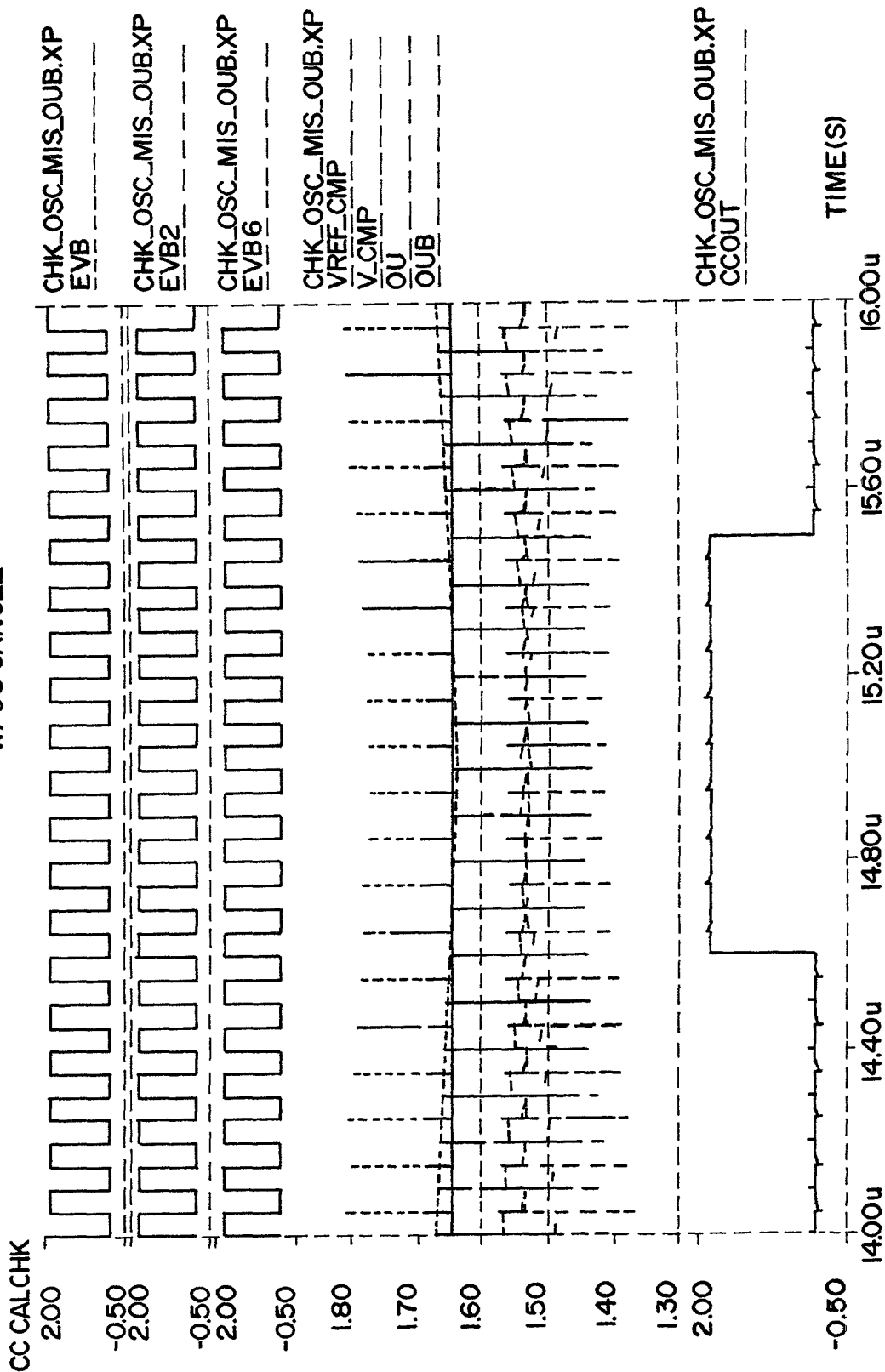


FIG.15A

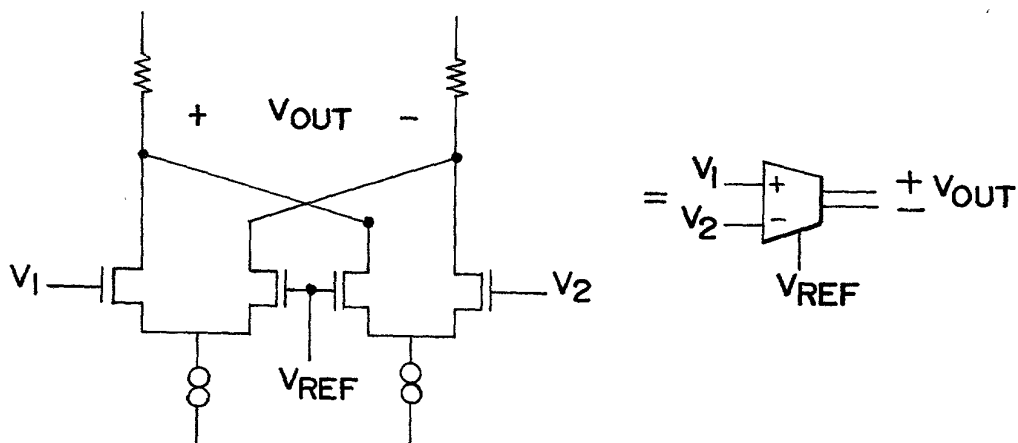


FIG.15B

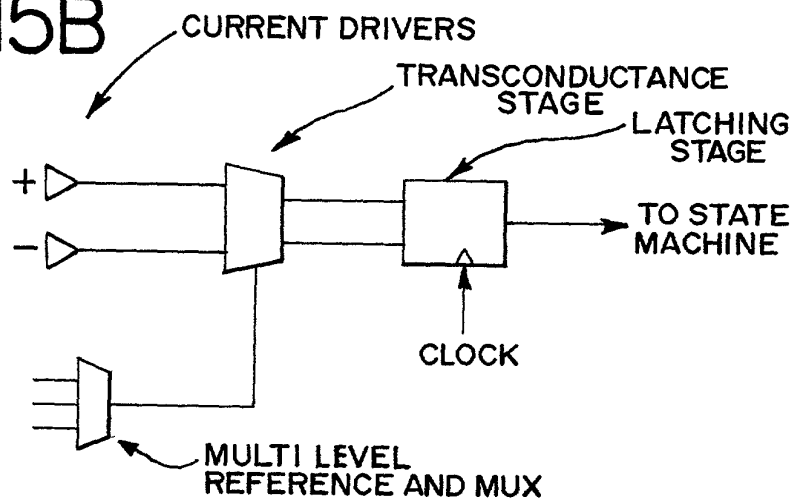


FIG.16

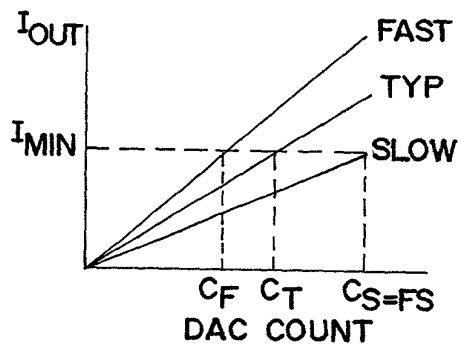
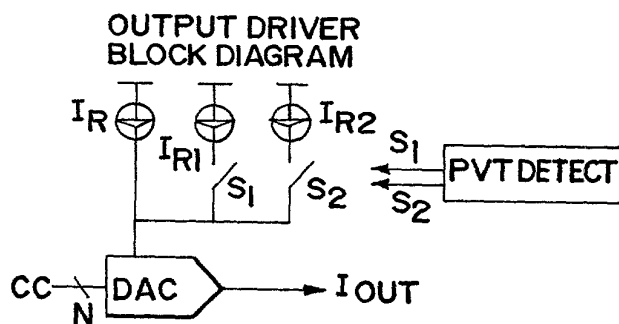


FIG.17



PVT DETECTORS FOR N-CH TR

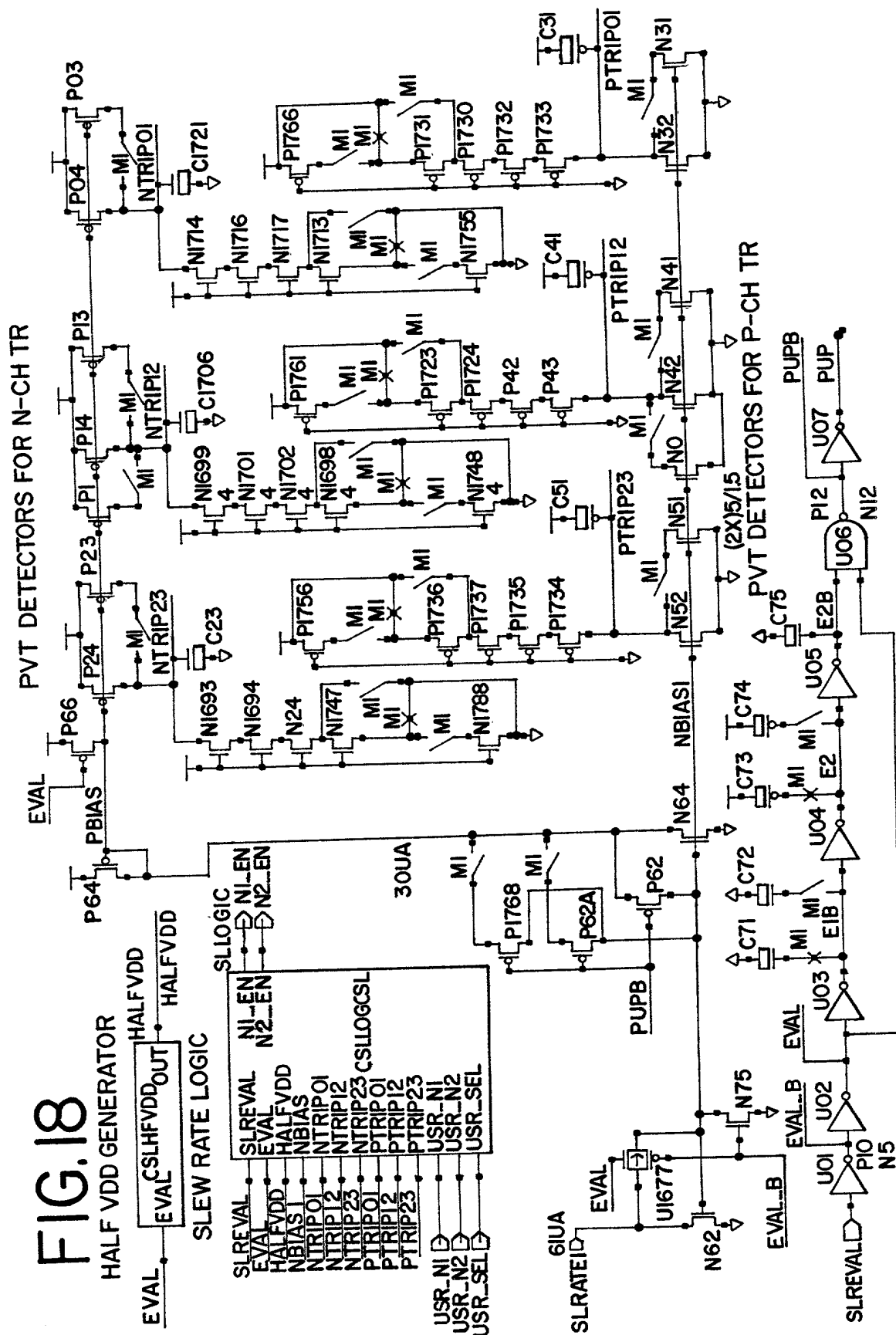


FIG.19A

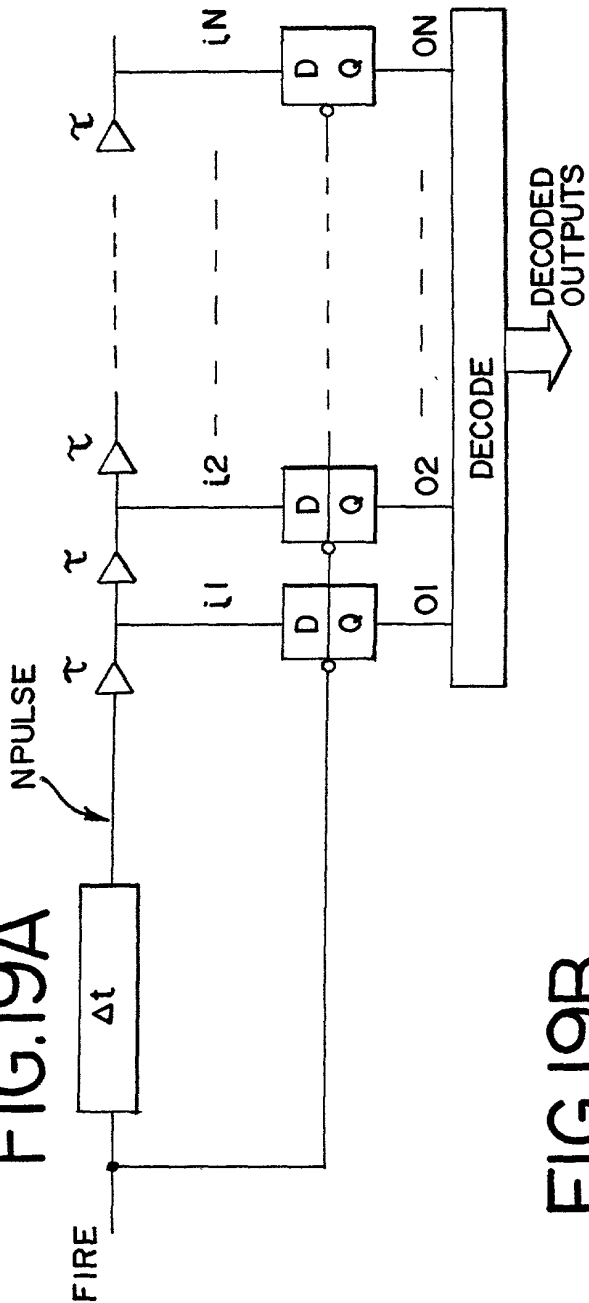


FIG.19B

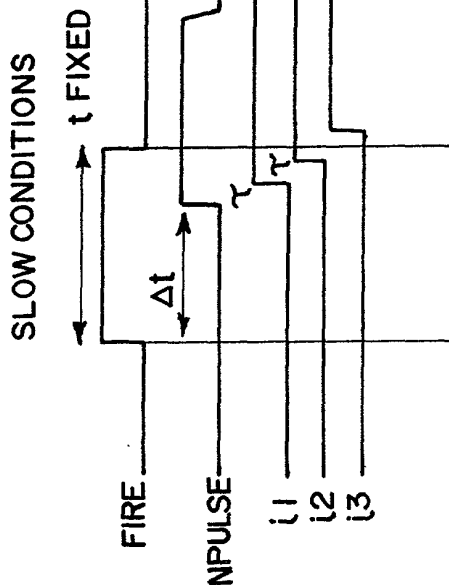
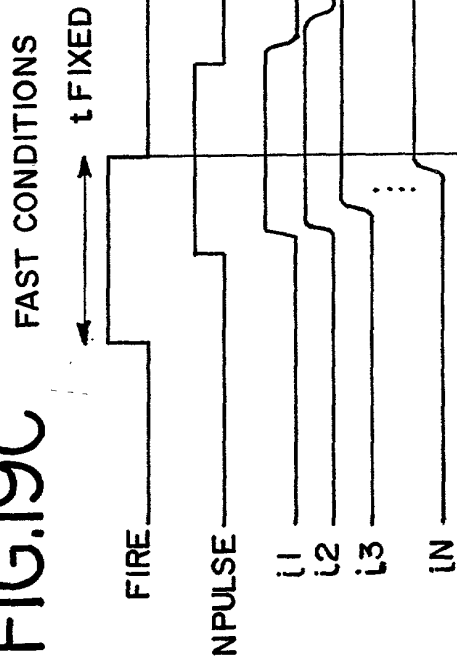
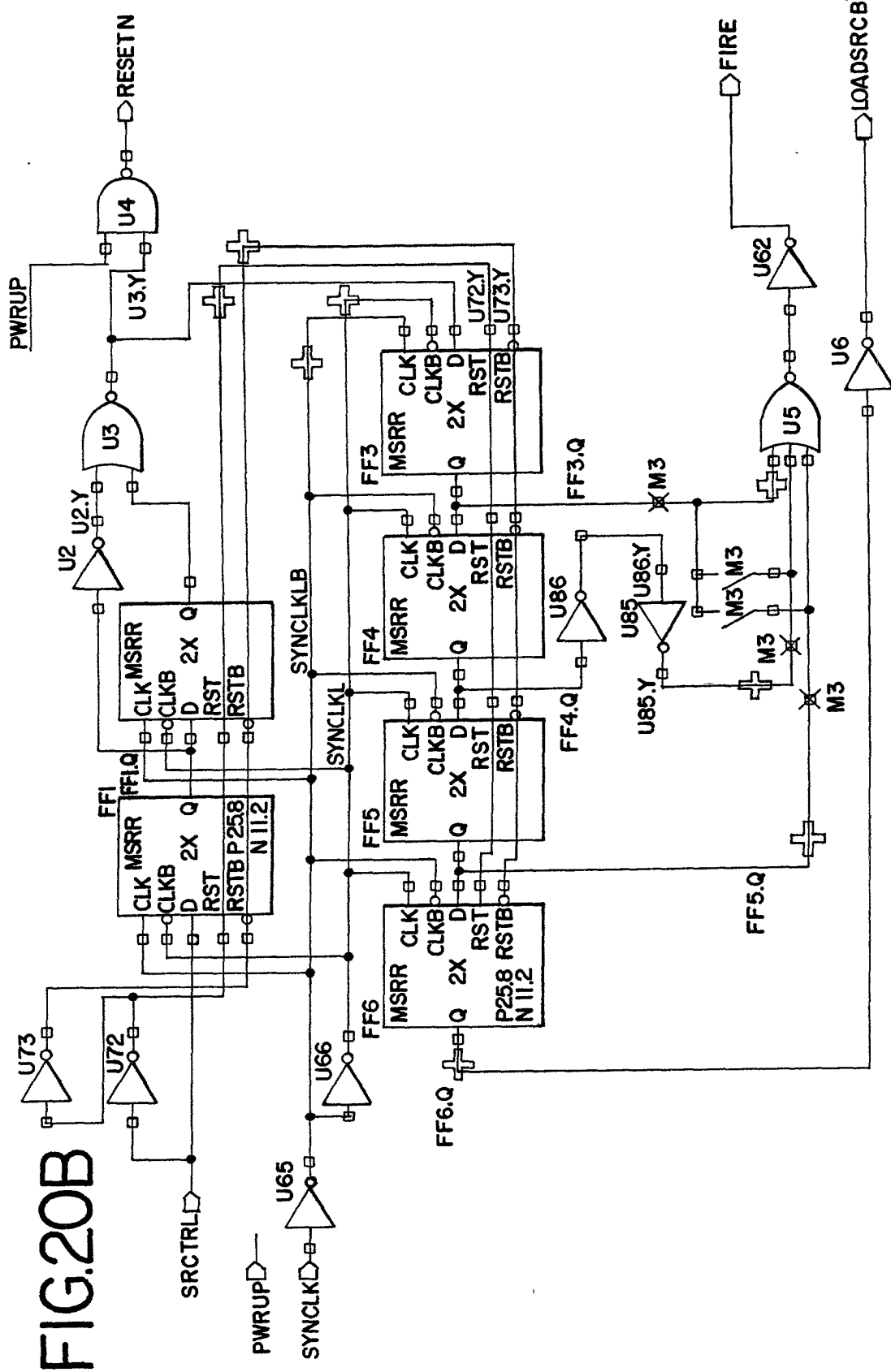


FIG.19C



[illegible]

50 51 52



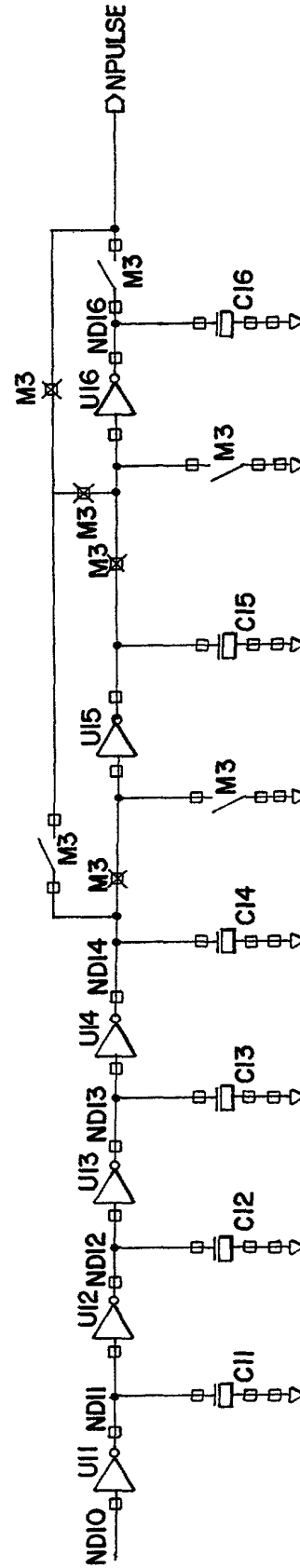


FIG. 20D

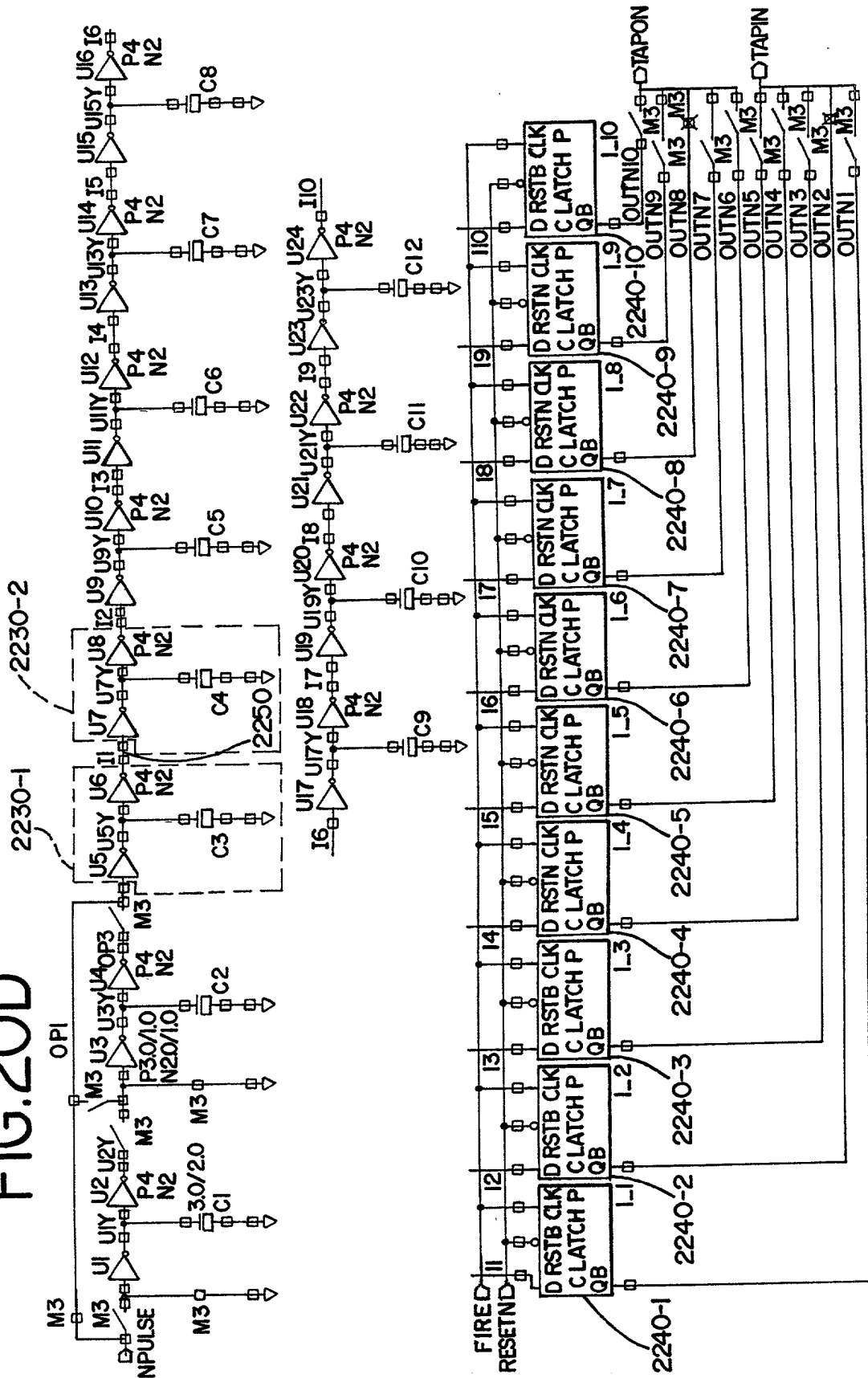


FIG.20E

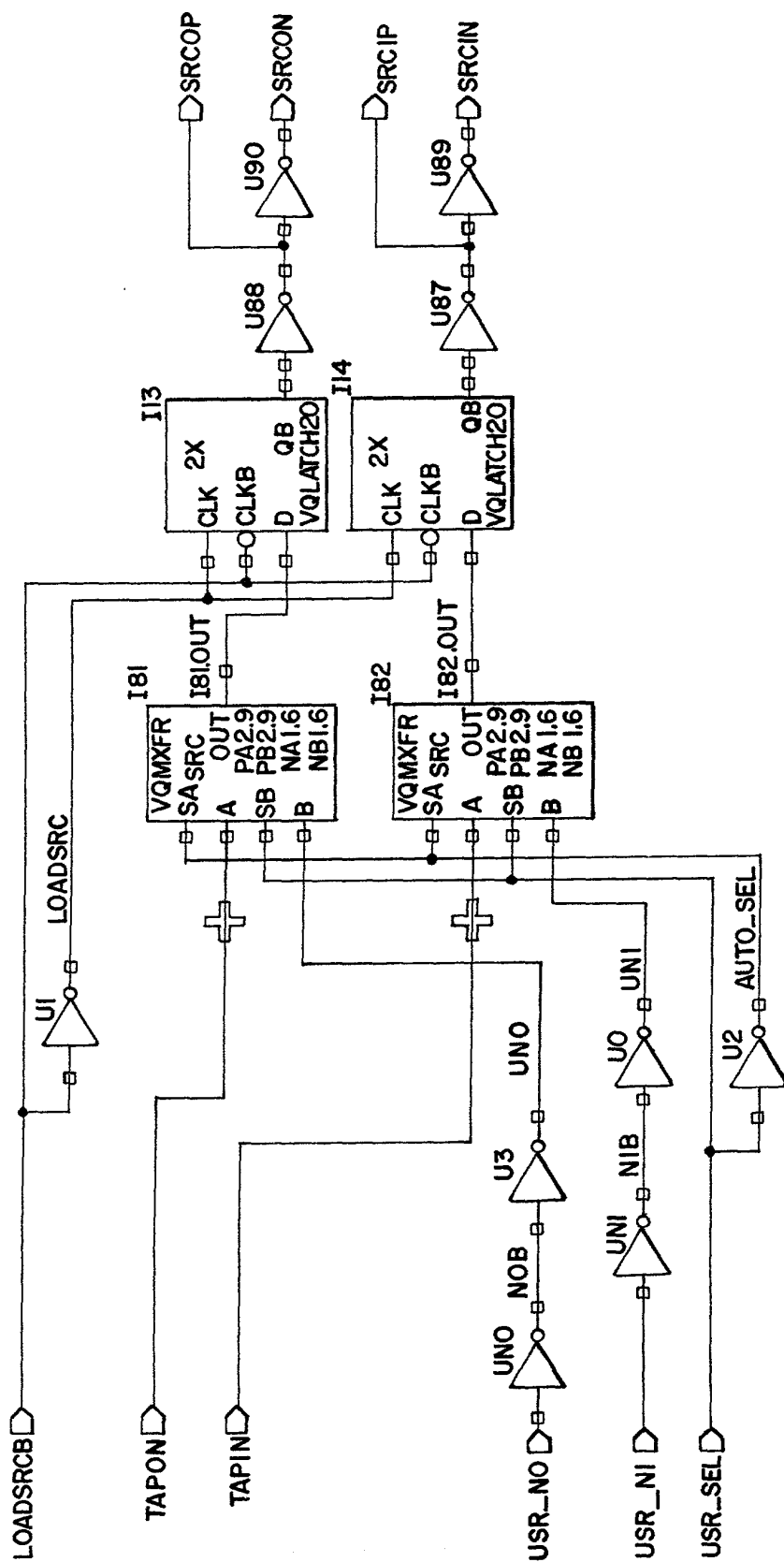


FIG.21A

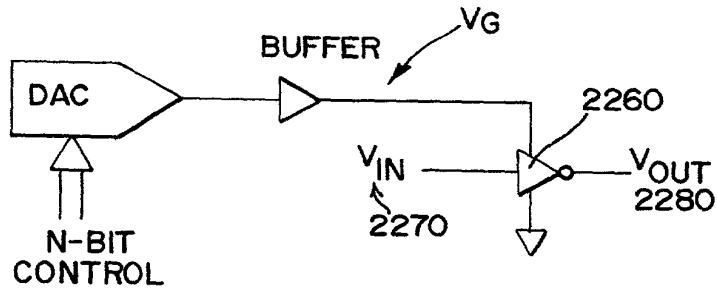


FIG.21B

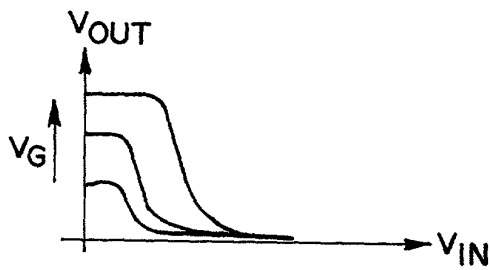


FIG.22

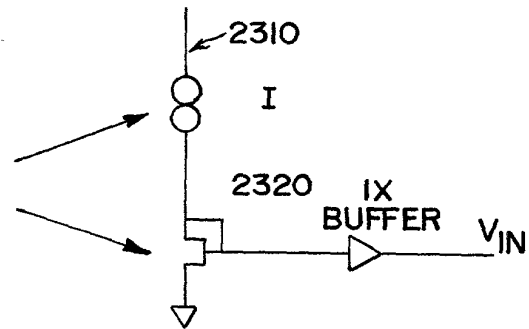
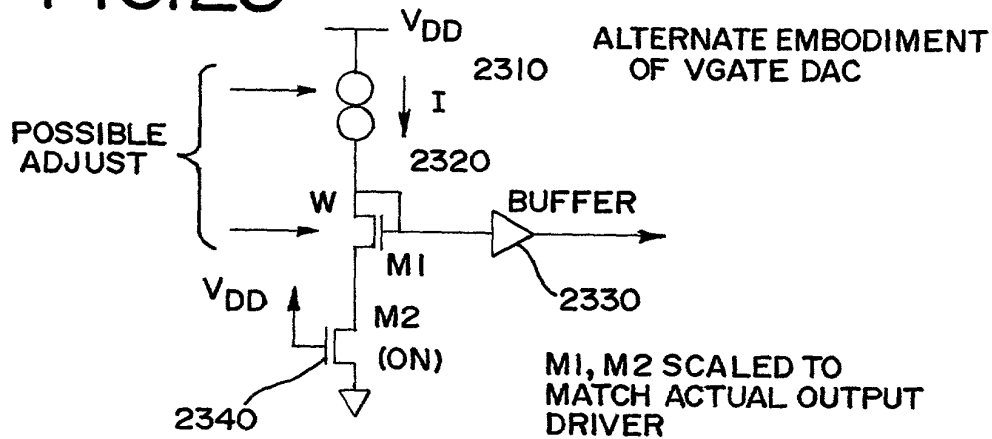


FIG.23



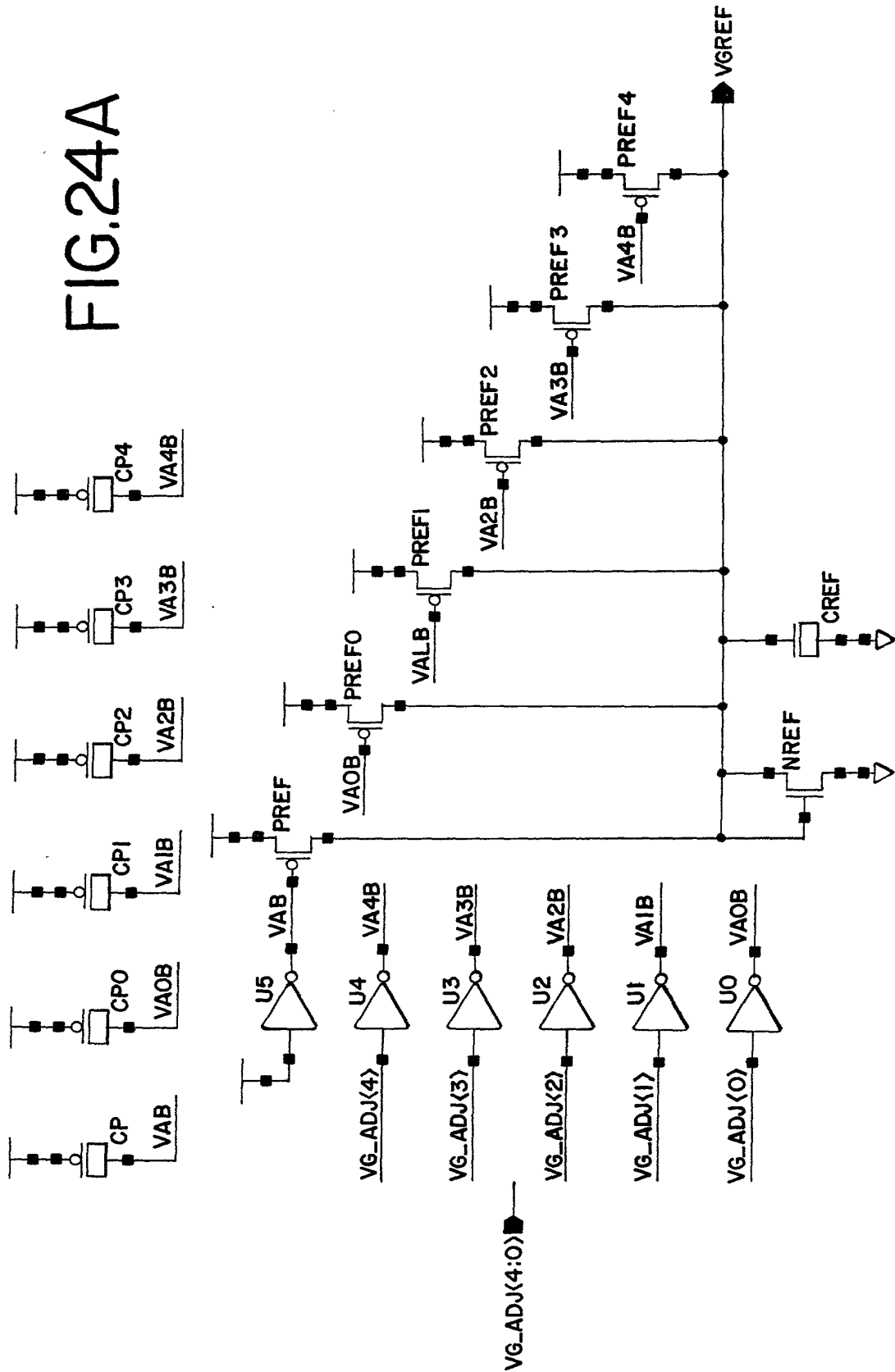


FIG.24B

